

Docket No.: K2020.0005/P005  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent Application of:  
Kunio Moriyama et al.

Application No.: Not Yet Assigned

Filed: Concurrently Herewith Art Unit: N/A

For: PARTICLE BEAM THERAPY SYSTEM Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

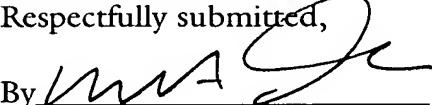
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. K2020.0005/P005. A duplicate copy of this paper is enclosed.

Dated: March 3, 2004

Respectfully submitted,

By 

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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Kunio Moriyama
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	K2020.0005/P005

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA	5,585,642		12-17-1996	Britton et al.	
AB	5,895,926		04-20-1999	Britton et al.	
AC	4,870,287		09-26-1989	Cole et al.	
AD	5,260,581		11-09-1993	Lesyna et al.	
AE	6,580,084		06-17-2003	Hiramoto et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
BA	JP 11-501232		02-02-1999		
BB	JP 2001-85200		03-30-2001		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
		<input checked="" type="checkbox"/> <sup>2</sup>			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

LIST OF REFERENCE MATERIAL

1. JP, A, 11-501232 (US, P, 5,585,642)

Relevancy of the reference is mentioned in the description of the specification.

2. US, P, 5,895,926

The reference is continuation of application Pat. No. 5,585,642 (the reference No.1).

3. US, P, 4,870,287

The refference disclose a proton beam therapy system for selectively generating and transporting proton beams from a single proton source and accelerator to selected ones of a plurality of patient treatment stations.

4. US, P, 5,260,581

The refference disclose a method of treatment room selection verification in a beam therapy system. The method compares treatment room beam request signals with a beam path configuration signal from a switchyard which controls the path of beam travel from an accelerator to one of the treatment rooms.

5. JP, A, 2001-85200

The refference disclose an accelerator system including an ion source, pre-accelerators and a selector electromagnet for introducing the ion beam accelerated by the pre-accelerators into either the radioisotope producing unit or the synchrotron.

6. US, P, 6,580,084

The refference is an application claiming priority to JP, A, 2001-85200 (the reference No.5).